

|                               |                 |               |
|-------------------------------|-----------------|---------------|
| <b>Notice of Allowability</b> | Application No. | Applicant(s)  |
|                               | 09/788,497      | MIYANO ET AL. |
|                               | Examiner        | Art Unit      |
|                               | Samir A. Ahmed  | 2623          |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 2/28/06.
2.  The allowed claim(s) is/are 1-11.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

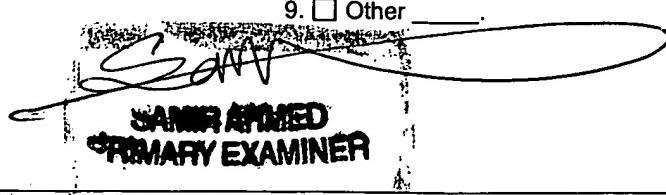
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 12/30/05.
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date 3/03/06.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

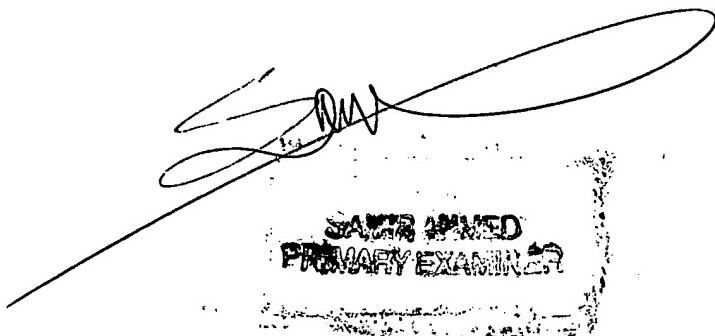


SAMIR AHMED  
PRIMARY EXAMINER

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for the following Examiner's amendment was given in a telephone interview with Carolyn Baumgardner (reg. # 41,345) on 2/28/06 and 3/03/06, acting as applicants representative, authorized the following amendment:

Please amend claims 1 and 10 as shown on the attached pages 2and 3.



The image shows a handwritten signature "Samiyah Ahmed" written over a rectangular stamp. The stamp contains the text "SAMIYA AHMED" at the top and "PRIMARY EXAMINER" at the bottom, separated by a horizontal line. The signature is written in black ink and overlaps the top portion of the stamp.

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PROPOSED EXAMINER'S AMENDMENT

1. (currently amended) An image synthesis apparatus, comprising:

a right infrared camera and a left infrared camera;

a right visible light camera and a left visible light camera; and

a first image synthesis processing device for synthesizing data output from the right infrared camera and the left infrared camera and data output from the right visible light camera and the left visible light camera so that a three-dimensional thermal image and a three-dimensional visible light image are observed by an observer as overlapping each other,

wherein the three-dimensional thermal image comprises a plurality of color tones having a predetermined correspondence with a luminance represented by the data output from the right infrared camera and the data output by the left infrared camera,

wherein a temperature of a subject can be inferred by the observer based on the predetermined color correspondence.

10. (currently amended) An image synthesis apparatus, comprising:

a slit device including a plurality of slits;

an infrared directing device for directing infrared toward a subject through the slit device;

a plurality of infrared cameras provided in a direction substantially perpendicular to a direction in which the infrared is directed toward the subject;

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a plurality of visible light cameras provided in a direction substantially perpendicular to a direction in which the visible light images a subject; and

an image synthesis processing device for synthesizing a plurality of thermal image data output from the plurality of infrared cameras so as to generate three-dimensional thermal image data, and

said image synthesis processing device synthesizing a plurality of visible light image data from the plurality of visible light cameras so as to generate three-dimensional visible light image data,

wherein the three-dimensional thermal image data comprises a plurality of color tones having a predetermined correspondence with a luminance represented by the data output from the plurality of infrared cameras,

wherein a temperature of the subject can be inferred by the observer based on the predetermined color correspondence.